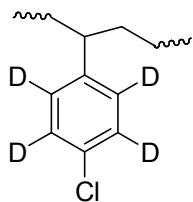


**Sample Name:** Deuterated (d7) Poly(4-Chloro styrene)

**Sample #:** P14062-d7P4CIS



**Composition:**

$M_n \times 10^3$	PDI
6.0	1.09
$T_g (^{\circ}\text{C})$	113

**Synthesis Procedure:**

The polymer is synthesized by radical process.

**Characterization:**

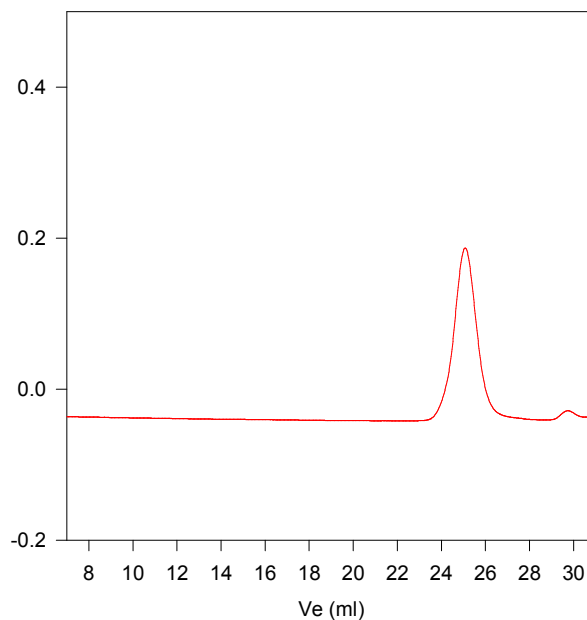
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

**Thermal analysis**

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature ( $T_g$ ).

**SEC of Sample:**

**P14062-Deuterated (d7)-4CIS**



Size exclusion chromatograph of deuterated-(d7) poly 4-Bromostyrene :

$M_n=6000$ ,  $M_w=6500$  PI=1.09

**DSC thermogram for the polymer:**

